

WIND CAVE NATIONAL PARK

PUBLIC USE REPORTING AND COUNTING INSTRUCTIONS

Following are detailed instructions for collecting and reporting data to be entered on Form 10-157, Revised, Monthly Public Use Report by Wind Cave National Park. These instructions are effective the date of issuance and will continue in effect unless changed by amendment or by memorandum from the Socio-Economic Studies Division to the superintendent approving a requested change.

Each item below describes the procedures to be followed in collecting public use data and summarizing the various elements of those data for entry on the corresponding line on the 10-157, Monthly Public Use Report.

Recreation Visits

1. An inductive loop traffic counter is located on the southbound lane of State Highway 87 (Station 2801, Counter #2).
2. An inductive loop traffic counter is located on the eastbound lane of US Highway 385 (Station 2801, Counter #4).
3. An inductive loop traffic counter is located on the westbound land of US Highway 385 (Station 2801, Counter #5).

The traffic counts in 1, 2, and 3 are summed and is reduced by the number of non-reportable vehicles (see Table 1). The reduced traffic count is adjusted for the number of non-recreation vehicles (see Table 2). The adjusted traffic is multiplied by the person-per-vehicle (PPV) multiplier in Table 3.

4. The number of recreation visits using NPS Road 5 North is estimated as (450 per month [March - October], or 225 per month [November - February]).
5. The number of recreation visits using NPS Road 5 South is estimated as (270 per month [March - October], or 135 per month [November - February]).
6. The number of recreation visits using NPS Road 6 North is estimated as (70 per month [March - October], or 35 per month [November - February]).

Non-recreation Visits

1. An inductive loop traffic counter is located on the southbound lane of State Highway 87 (Station 2801, Counter #2).
2. An inductive loop traffic counter is located on the eastbound lane of US Highway 385 (Station 2801, Counter #4).
3. An inductive loop traffic counter is located on the westbound land of US Highway 385 (Station 2801, Counter #5).

The traffic counts in 1, 2, and 3 are summed and is reduced by the number of non-reportable vehicles (see Table 1). The reduced traffic count is adjusted for the number of recreation vehicles (see Table 2). The adjusted traffic is multiplied by the PPV multiplier in Table 3.

Table 1
Non-reportable Vehicles by Season

Season	Non-reportable Vehicles
October - April	300
May - September	1,000

Table 2
Recreation and Non-recreation Percentage of Vehicle Count by Season

Season	Percent Recreation Vehicles	Percent Non-recreation Vehicles
November - February	40%	60%
March or October	50%	50%
April - June September	60%	40%
July - August	70%	30%

Table 3
Persons-Per-Vehicle Multipliers by Season

Season	PPV
May - August	3.5
September - April	2.9
Non-recreation (Year-Round)	1.8

Recreation Visitor Hours

Recreation visitor hours are the sum of the subtotals of each of the categories listed in Table 4. Each subtotal is the results of multiplying the number of visitors associated with that category by its length-of-stay multiplier.

Table 4
Average Length of Stay Multipliers by Category

CATEGORY	AVERAGE LENGTH-OF-STAY
Recreation Visits (October - March)	1.6 hours
Recreation Visits (April - September)	2.6 hours
Overnight Stays	48 hours
Cave Tour Visits	1.5 hours

Non-recreation Visitor Hours

The number of non-recreation visits is multiplied by 0.33 hours.

Overnight Stays

NPS Campgrounds - Elk Mountain

The number of tent sites occupied is multiplied by the persons-per-site multiplier of 2.9 (September - April) or 3.5 (May - August).

The number of RV sites occupied is multiplied by the persons-per-site multiplier of 2.9 (September - April) or 3.5 (May - August).

NPS Backcountry - Various locations

The number of backcountry overnight stays.

Special Use Data

Line a. Traffic count on South 385

Line b. Traffic count on North 385

Line c. Traffic count on North 87

Line n. Number of tour buses